IN THE CLAIMS:

Please amend the claims of this application so as to read as follows:

1. (Previously presented) A moving apparatus, comprising:
a flying body, including
a wing portion for fluttering in a space in which a fluid exists,
a driving portion for performing a down stroke in which said wing portion is moved downward from above and an up stroke in which said wing portion is moved upward from below, and
a main body to which said wing portion is attached and said driving portion is mounted; wherein
by time average for the series of said down stroke and said up stroke, vertically upward force received by said wing portion from said fluid is larger than gravity acting on said flying body , and wherein
said moving apparatus has means for moving backward by one fluttering motion.

2. (As originally filed) The moving apparatus according to claim 1, wherein volume of said space in which said wing moves in said down stroke is larger than the volume of said space in which said wing moves in said up stroke.

3. (As originally filed) The moving apparatus according to claim 1, wherein said flying body is used as moving means for performing a prescribed operation indoors.

4. (As originally filed) The moving apparatus according to claim 1, wherein said flying body is used as moving means for performing a prescribed operation outdoors.

5. (Previously Presented) The moving apparatus according to claim 1, wherein
each wing of said wing portion has
a wing body portion, and
a wing shaft portion supporting said wing body portion; and
wherein
said driving portion changes a torsion angle formed by a tip end of each wing of said wing body portion and a prescribed reference plane, by driving its associated wing shaft portion.

6. (As originally filed) The moving apparatus according to claim 5, wherein said driving portion makes said torsion angle in said down stroke different from said torsion angle in said up stroke.

7. (As originally filed) The moving apparatus according to claim 5, wherein said driving portion changes with time said torsion angle.

8. (Previously Presented) A moving apparatus, comprising:

a flying body, including

a wing portion for fluttering in a space in which a fluid exists,

a driving portion for performing a down stroke in which said wing portion is moved downward from above and an up stroke in which said wing portion is moved upward from below, and

a main body to which said wing portion is attached and said driving portion is mounted; wherein

by time average for the series of said down stroke and said up stroke, vertically upward force received by said wing portion from said fluid is larger than gravity acting on said flying body, and

wherein

said wing portion has

a wing body portion, and

a wing shaft portion supporting said wing body portion;

wherein

said driving portion changes a torsion angle formed by a tip end of said wing body portion and a prescribed reference plane, by driving said wing shaft portion; and

wherein

said wing shaft portion includes one wing shaft portion and the other wing shaft portion; and

said wing body portion includes a film portion formed spreading across said one wing shaft portion and said the other wing shaft portion separately.

9. (Cancelled, without prejudice)

10. (Cancelled, without prejudice)

11.(Cancelled, without prejudice)

12. (Cancelled, without prejudice)

13. (Cancelled, without prejudice)

14. (Cancelled, without prejudice)

15. (Cancelled, without prejudice)

16. (Previously Presented) The moving apparatus according to claim 8, wherein
said one wing shaft portion and the other wing shaft portion are formed such that a space therebetween is enlarged toward tip ends of said one wing shaft portion and said the other wing shaft portion.

17. (Previously Presented) The moving apparatus according to claim 8, wherein said one wing shaft portion and said the other wing shaft portion are pivotable about the respective axes of said one wing shaft portion and said the other wing shaft portion.

18. (As originally filed) The moving apparatus according to claim 1, wherein a target manner of movement is realized by time-sequentially combining basic operations in accordance with basic operations pattern data.

19. (As originally filed) The moving apparatus according to claim 18, comprising storing means for storing combination of said basic operations pattern data and driving manner data related to the manner of driving said driving portion realizing said basic operations pattern data.

20. (Currently Amended) A moving apparatus, comprising:
a flying body~~,~~ having a center of gravity, said flying body including
a wing portion for fluttering in a space in which a fluid exists,
a driving portion for performing a down stroke in which said wing portion is moved downward from above and an up stroke in which said wing portion is moved upward from below, and
a main body to which said wing portion is attached and said driving portion is mounted; wherein
by time average for the series of said down stroke and said up stroke, vertically upward force received by said wing portion from said fluid is larger than gravity acting on said flying body, and wherein
said moving apparatus ~~has means for modifying~~ controls both of at least one of fluttering frequency and fluttering angle and the relationship between the position of the center of gravity thereof and the plane of fluttering motion.

21. (Previously presented) The moving apparatus according to claim 20, wherein volume of said space in which said wing moves in said down stroke is larger than the volume of said space in which said wing moves in said up stroke.

22. (Previously presented) The moving apparatus according to claim 20, wherein said flying body is used as moving means for performing a prescribed operation indoors.

23. (Previously presented) The moving apparatus according to claim 20, wherein said flying body is used as moving means for performing a prescribed operation outdoors.

24. (Previously presented) The moving apparatus according to claim 20, wherein
each wing of said wing portion has
a wing body portion, and
a wing shaft portion supporting said wing body portion; and
wherein
said driving portion changes a torsion angle formed by a tip end of each wing of said wing body portion and a prescribed reference plane, by driving its associated wing shaft portion.

25. (Previously presented) The moving apparatus according to claim 24, wherein said driving portion makes said torsion angle in said down stroke different from said torsion angle in said up stroke.

26. (Previously presented) The moving apparatus according to claim 24, wherein said driving portion changes with time said torsion angle.